WIRELESS BROADCAST SERVICE QUALITY INDICATOR AND METHOD

ABSTRACT OF THE DISCLOSURE

1   A method for estimating wireless broadcast service quality on a broadcast
2   channel including the steps of: receiving (310) a service parameter message with a
3   service identifier associated with a broadcast channel, determining (320) a quality
4   indicator threshold from the service parameter message, measuring (340) a quality
5   indicator to form a calculated (350) quality indicator, comparing (360, 370) the
6   calculated quality indicator to the quality indicator threshold. The quality
7   indicator threshold can be embedded in the service parameter message or
8   obtained indirectly such as through a table mapping a service identifier to a
9   quality indicator. Various quality indicators are available, including various
10 signal-to-noise ratios (e.g., E_b/N_t) and pilot signal-to-noise ratio (C/I_{PICH}).